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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: William P. Fell

Serial Number: 10/783,931

Art Unit: 3617

Filcd: February 20, 2004

Examiner: S. Avila

For: Joy Stick Control System For A Modified Steering System For Small Boat
Outboard Motors

In the claims

A statement of the status of claims follows:

1. (cancelled).

2. (cancelled).

3. (cancelled).

4. (original) A steering system for a boat having a convention outboard motor having a throttle lever, a transmission lever and a steering arm comprising:

a) a first servomotor, operably attached to said throttle lever;

b) a solenoid, operably attached to said transmission lever;

c) a second servomotor, operably attached to said steering arm; and

d) a joystick controller, electrically connected to said first, second and third servomotors to control said boat, whereby said joystick controller has a first switch that controls said first servomotor to control the throttle lever, a second set of switches that engage said solenoid to move the boat in a forward or reverse direction by controlling said transmission lever, and a third set of switches to control said second servo motor to steer the boat from left to right by moving said steering arm.

5. (original) The steering system of claim 4 wherein the first, second and second servomotors are forward-reverse, worm-drive electric servomotors.

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6. (original) The steering system of claim 4 further comprising a reverse lock
switch, mounted on said joystick.

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